

MEDICAL RESEARCH

ANALYSIS OF RESEARCH IN MEDICINE

SUMMARY

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Bureau of Medicine and Surgery

Research Project No. 1-100 (Sub. No. 119)

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MEDICAL RESEARCH LABORATORY

Report on
ANALYSIS OF REJECTIONS IN EXAMINATIONS FOR SUBMARINE SCHOOL

by
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Bureau of Medicine and Surgery
Research Project X-566 (Sub. No. 119)

Note: This is a fourth Interim report in a series issued monthly.

Medical Research Department
U. S. Submarine Base
New London, Connecticut

27 July 1945

Summary:

Men received for Submarine School are examined at New London for qualification for submarine duty. Examination data are tabulated each month by a punched-card technique previously reported¹. The examinations for the month of June have been analyzed and the appended enclosures show the following:

1. Enclosure (A) shows the number of enlisted men examined and the number rejected for each of the past five months. Of 2461 school candidates examined during this period, 324 were disqualified, or 13.1 per cent.

2. The number examined monthly has decreased progressively since the first of the present year, as shown in Enclosure (A).

3. 22 of the 56 disqualified in June manifested psychiatric disabilities. This proportion is slightly larger than in the preceding four months², but not significantly so.

4. Numbers disqualified for each specific reason under the five general headings are shown in enclosure (A). The alphabetic and numerical codes¹ utilized in the tables of enclosure (A) are described in enclosure (B).

5. An analysis of disqualifications according to stations from which men are received is presented also in enclosure (A). It is noted that the pattern of disqualifications varies from one station to another.

6. A coded report, of which enclosure (B) is an example, has been sent to each station from which submarine candidates are received routinely. This report lists for the month those disqualified, those accepted and those still in a pending status at the time the report is drafted. Reasons for rejection are cited for each man disqualified.

1 Report on Project X-247 (Sub.No. 51) "Design of a Method for Recording Medical Data Significant in Medical Examinations for Submarine School Candidates in order to Permit Rapid Analysis by Punch-card Techniques." Report dated 1 May 1944.

2 Monthly Interim Report for May, 1945, on this same project.

7. It is emphasized that most of the men reported herein have been passed previously by examiners at other Naval Activities. Thus these data do not describe the inadequacies of the total population of candidates for Submarine duty; rather, these data relate to examinations by the Submarine Medical Examiner of the enlisted population received at New London for instruction.

REPORT ON REJECTIONS BY REASON
FOR THE MONTH OF JUNE, 1945

SCHOOL OR STATION	MOTIVATION		INTEL- IGENCE				PSYCHIATRIC				PHYSICAL				SENSORY						T O T A L	T A N K	NUMBER EXAM'D	
	I	E	2	3	4	T A L	O	R	S	W	T O T A L	D	E	K	S	1	2	3	6					
R/S, Boston, Mass	-	-	-	-	-	0	-	-	1	-	-	1	-	-	-	-	-	-	-	-	0	0	1	
S/M Base, Navy 128	-	-	-	-	-	0	-	-	-	-	-	0	-	-	1	-	-	2	1	-	3	0	49	
All Ships	1	1	2	2	2	5	-	1	-	2	3	-	-	-	1	-	-	2	-	1	3	0	20	
Quonset Pt, Narragansett, R.I.	-	-	-	-	-	0	-	-	-	-	0	-	-	-	-	-	-	-	-	1	1	0	17	
Naval Hospitals	-	1	-	-	-	0	-	-	-	-	0	-	-	-	-	-	-	-	-	-	0	1	2	
Naval Air Stations	-	-	2	-	-	2	-	-	-	1	1	1	-	-	-	-	-	-	-	-	0	0	3	
Miscellaneous	2	1	3	-	3	3	1	-	-	-	1	1	2	-	1	1	1	3	-	-	3	0	12	
	7	7	16	7	6	3	16	3	4	11	4	22	2	1	3	1	7	11	2	1	2	16	3	288

ENCLOSURE (A)

REPORT ON REJECTIONS BY REASON
FOR THE MONTH OF JUNE, 1945

REASON FOR REJECTION	TOTAL	PSYCHIATRIC				PHYSICAL				SENSORY						TOTAL	TANK	NUMBER EXAMINED
		O R S W				D E K S				L 2 3 6								
		O	R	S	W	D	E	K	S	L	2	3	6					
MENTAL ILLNESS	1	0	0	0	0	1	0	0	0	1	1	0	0	2	2	0	48	
PHYSICAL ILLNESS	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	
DRUGS	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	
ALCOHOL	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	
OTHER	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	
TOTAL	5	0	0	0	0	1	0	0	0	1	1	0	0	0	0	0	11	
MENTAL ILLNESS	1	0	0	0	0	1	0	0	0	1	1	0	0	2	2	0	2	
PHYSICAL ILLNESS	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	
DRUGS	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	
ALCOHOL	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	
OTHER	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	36	
TOTAL	5	0	0	0	0	1	0	0	0	1	1	0	0	2	2	0	21	
MENTAL ILLNESS	1	0	0	0	0	1	0	0	0	1	1	0	0	2	2	0	1	

COMPARATIVE SUMMARY OF REJECTIONS BY REASON

NOTIFICATION

	1	2	3	4	5	6	TOTAL
February	1	0	10	0	0	4	15
March	0	2	8	0	3	14	27
April	1	0	20	0	6	11	38
May	0	0	10	0	7	10	27
June	0	0	7	0	0	7	14
	2	2	35	0	16	38	121

INTELLIGENCE

	1	2	3	4	TOTAL
February	3	3	2	7	15
March	6	1	2	7	16
April	10	2	2	4	18
May	2	3	2	10	17
June	7	0	6	3	16
	28	9	14	31	82

PSYCHIATRIC

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	TOTAL	
	0	0	0	0	0	0	0	0	0	0	0	0	0	4	7	3	0	4	9	0	0	0	0	6	0	0	35
	0	0	0	0	0	0	0	0	0	0	0	0	0	2	8	9	0	11	10	0	0	0	6	0	0	46	
	0	0	0	0	0	0	0	0	0	0	0	0	0	1	11	1	0	6	13	0	0	0	4	0	1	38	
	0	0	0	0	0	0	0	0	0	1	0	0	0	1	3	0	0	5	7	0	0	0	0	0	0	18	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	4	11	0	0	0	4	0	0	22	
	0	2	0	1	0	1	0	0	1	0	0	0	0	8	32	13	0	30	50	0	0	0	20	0	1	159	

PHYSICAL

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	TOTAL
February	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	
March	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	
April	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	
May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	27	
June	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	65	

SENSORY

ENCLOSURE (A)